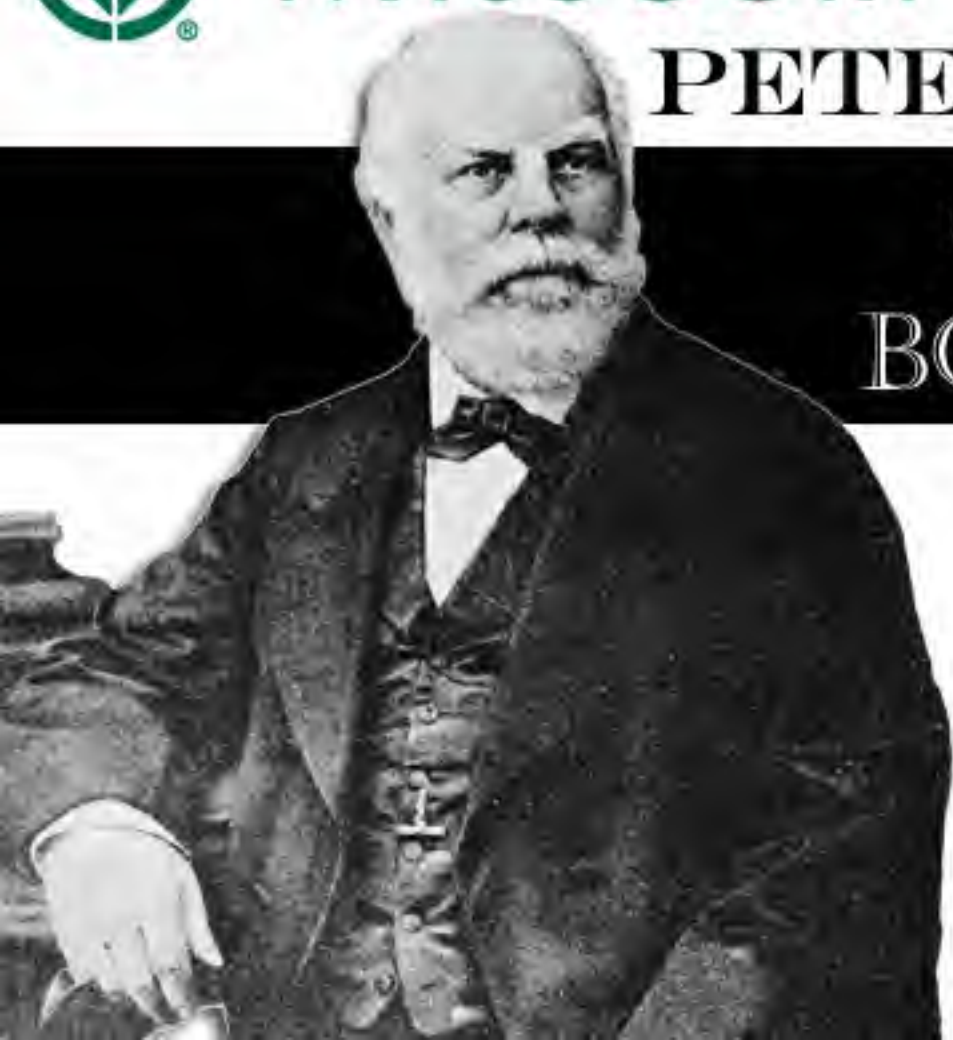


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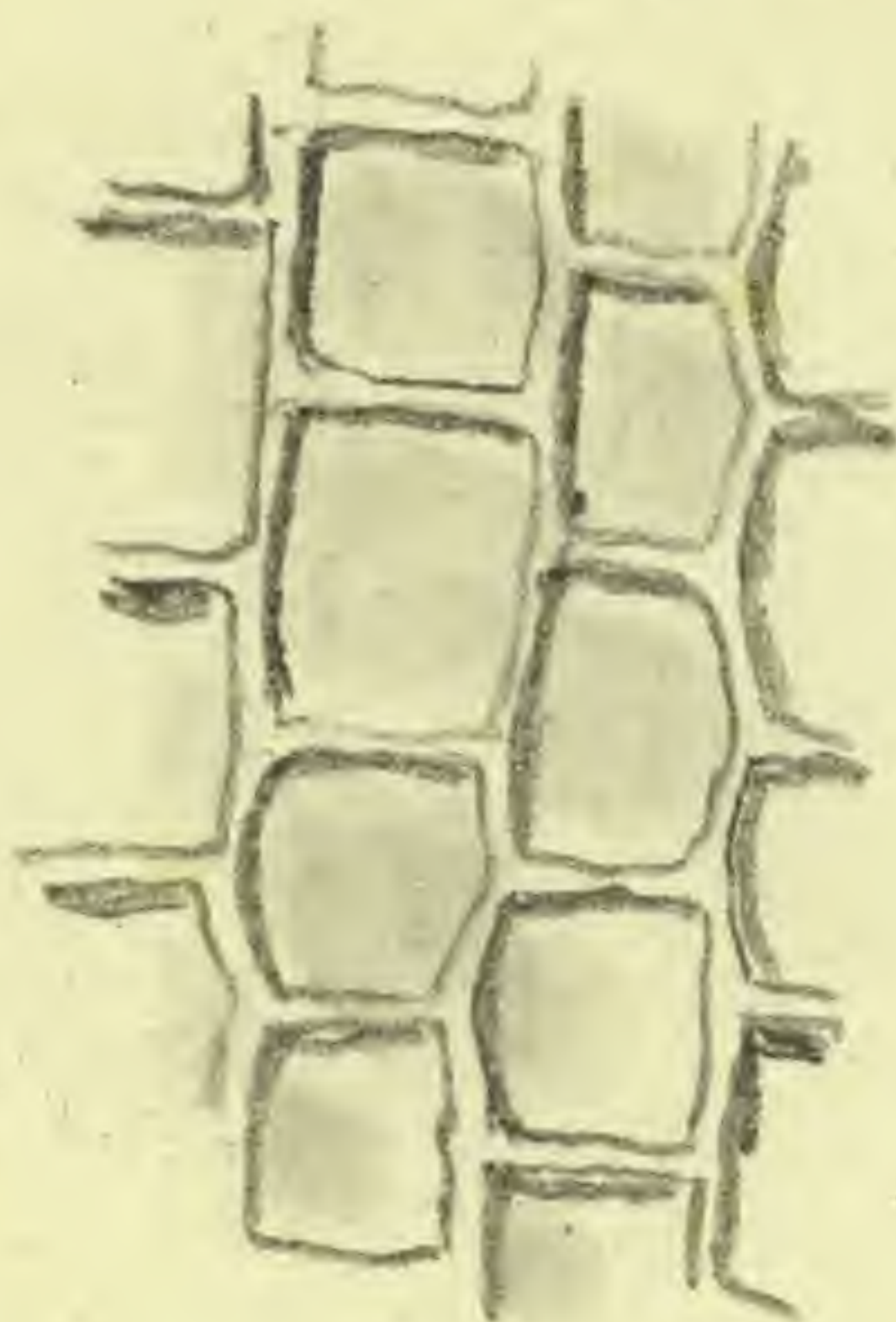
Innons

Aug 11 1868

Alabama Buckley

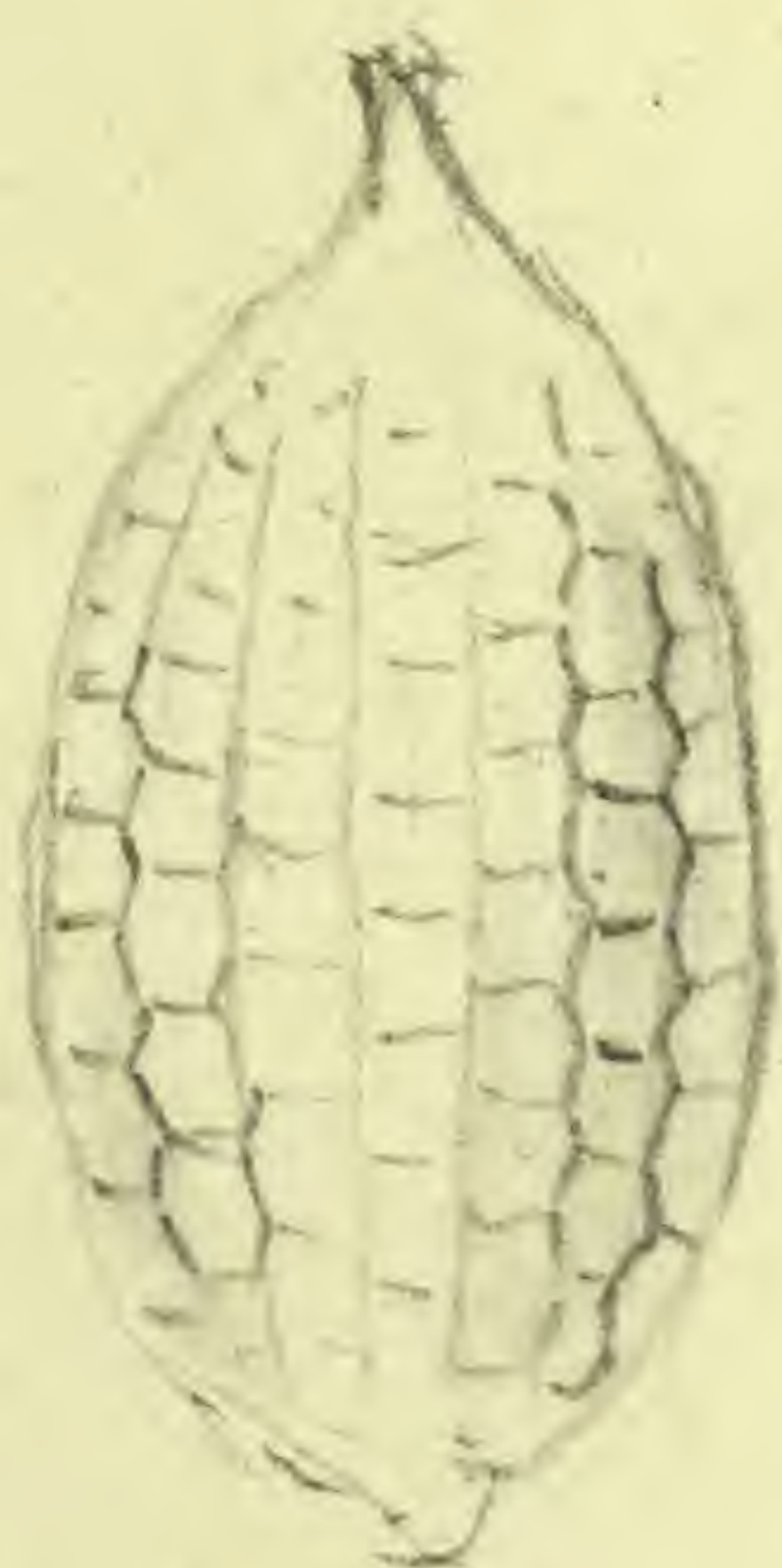
network
on seed
x 150

x 60

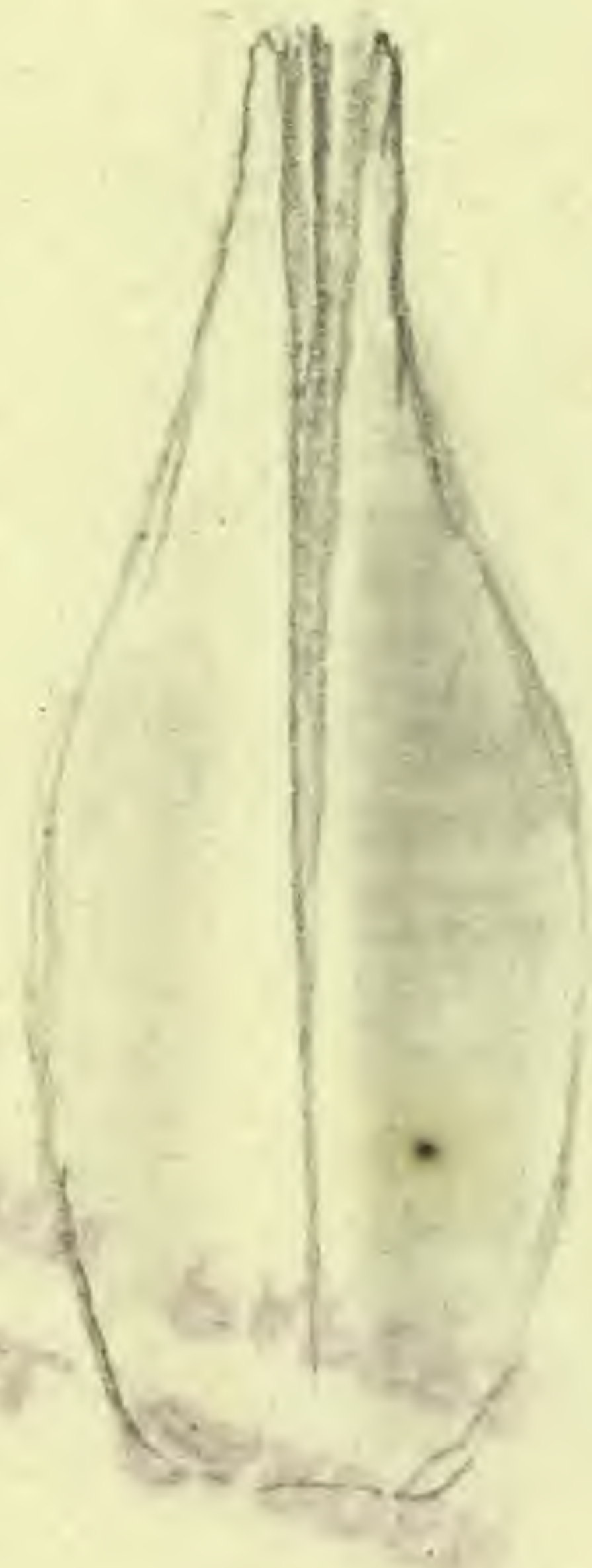
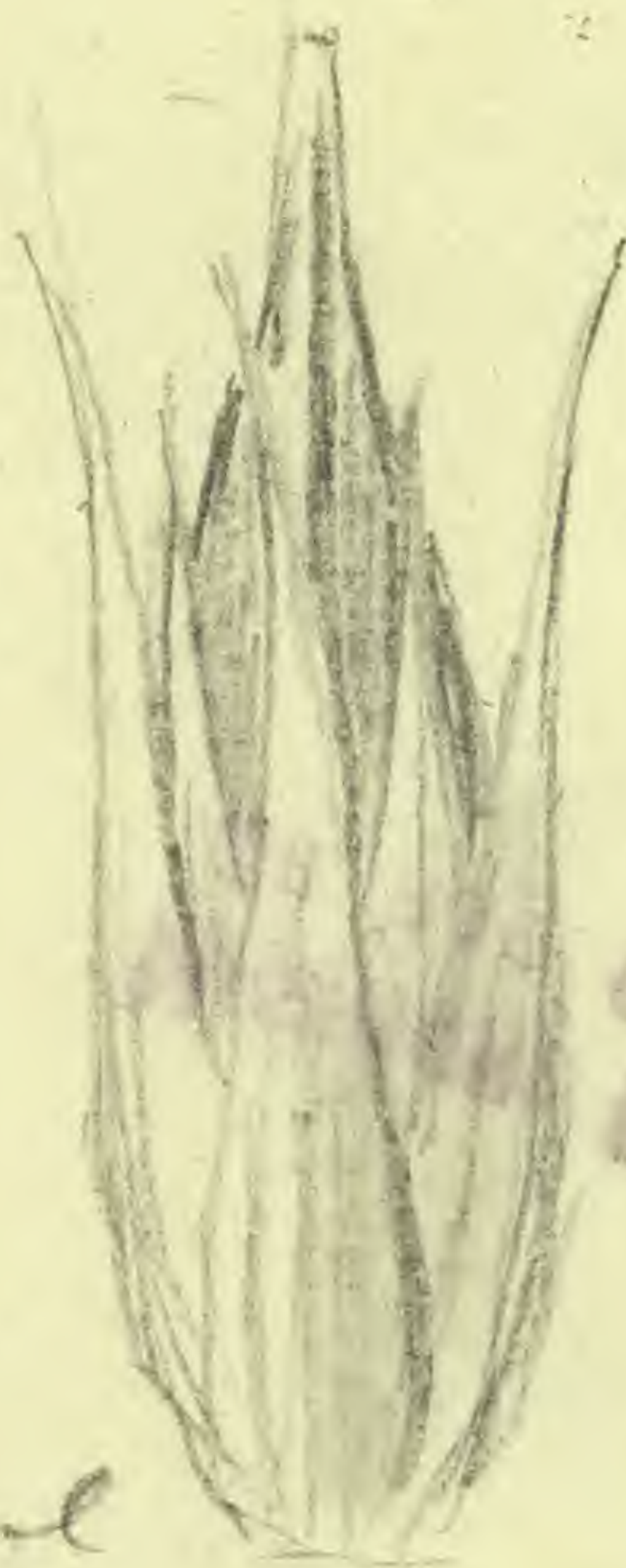


x 10

55 ft. in one
head, counted



network larger and
more distinct than usual



Caper



Same as South Carolina plant, sepals a little more
acute & larger, inner ones shorter than outer ones



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Aug 12 1865

Immunus

Cayman, Disturb
174

L. McRork, A.H.

1835

x60

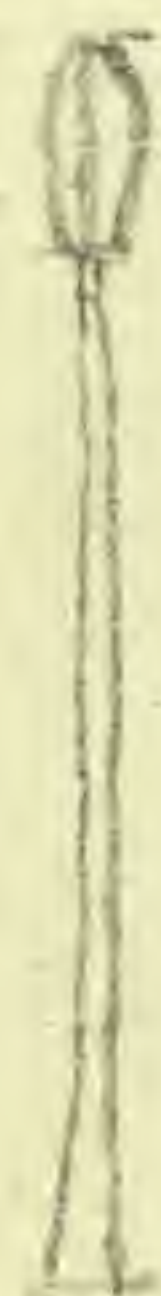


ripe seed

x10



young fruit



pistil



anther
x60



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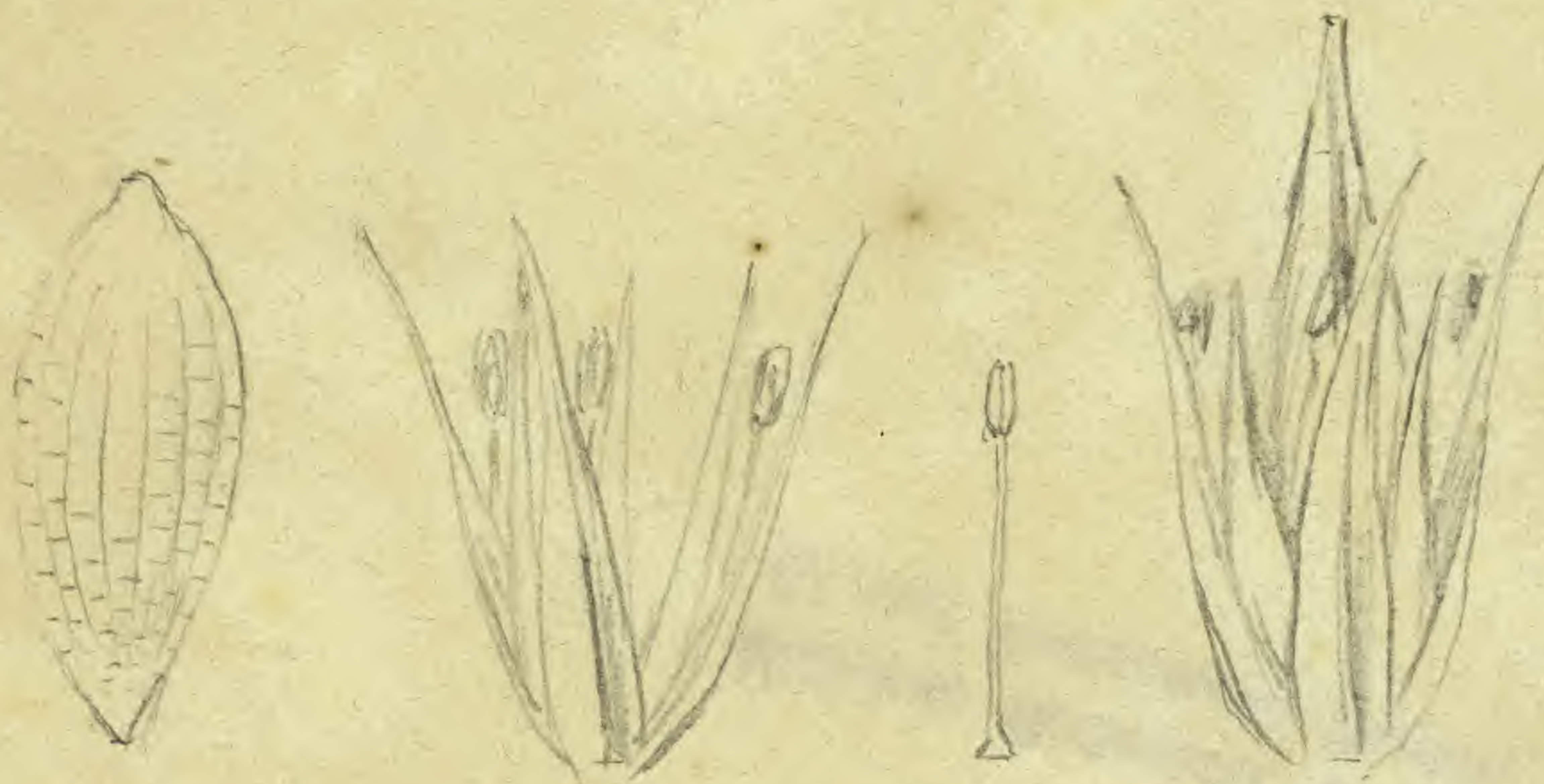
Junonia serrata? *echinata*? Nov 27 1865

stem pale brownish

Ex Hb Acad Phila; name -
same loco

Hb. Engelm.

is this a trans.
stem form like
echinata?
Serrata?
how is the style?



inner sepals shorter or
much shorter than outer ones
stamens nearly as long as
inner sepals

rhizomate taberoso



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Juncus

Nov 28 1865

macrostemon
brachystylis

46 *Arum Philae* (*sine sepalis*.)

Philadelph. Pitkenia

Georg. Baldwinia

the same



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J.

Nov 29. 1865

Philadelphus, Leidy N 3



Y 150



sepals omnium dorso rubella
interiora paulo breviora
s. fere copulati

seed pale, shining
reticulation very faint

Banks of Susquehanna Porter
is the same - seeds a little larger, darker
more strongly reticulate




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Nov 29 1865

Philadelphus, Lindl. N. 4.



seen several
times

fl. a little larger, green
seed also a little larger



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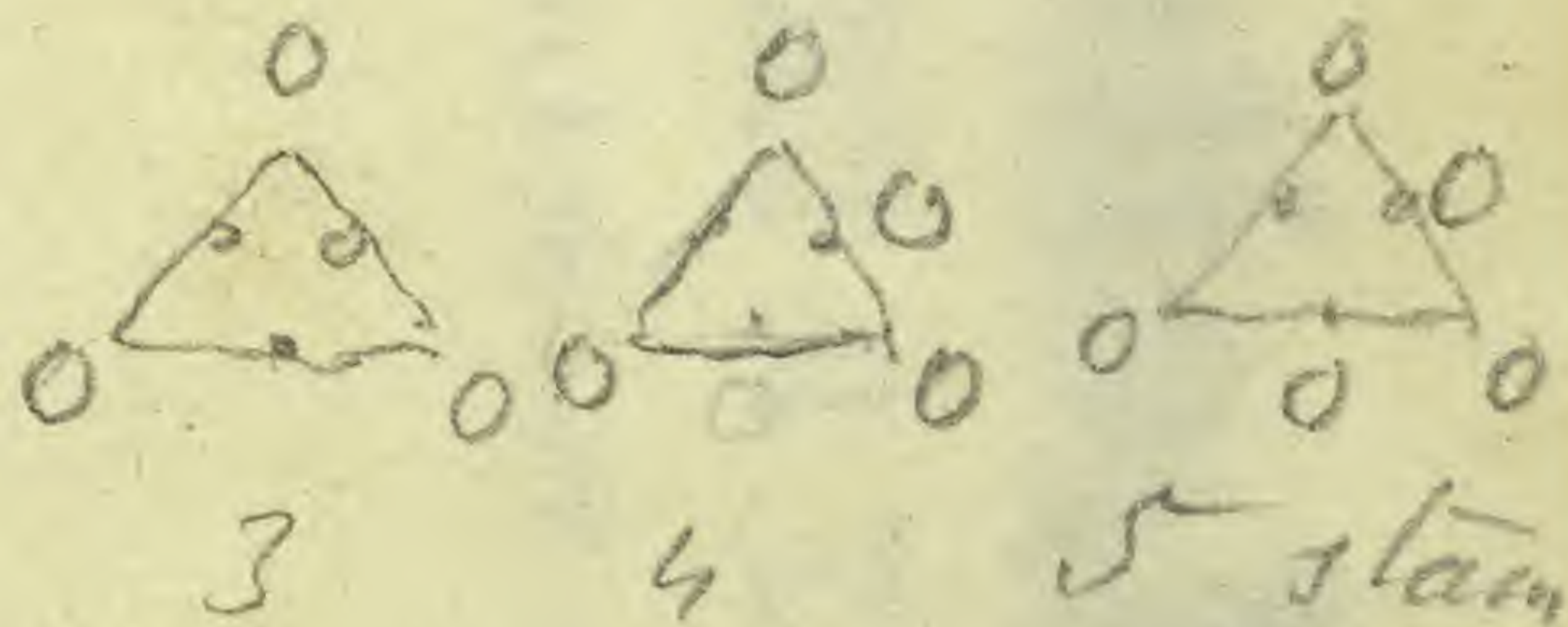
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Nov 30 1865

Philad., ex Hb. Sarum



many flowers with
more than 3 stamens



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Nov 30 1865

Ph. latifolia ex Hb. Gurne
- Hb. Bogalun.



style, brown, deciduous



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L. scorpioides
B. echinatus
J. echinatus Ell.

476

572-83

EDITORIAL DEPARTMENT.

THE DRUGGISTS GENERAL RECEIPT BOOK. Comprising a Copious Veterinary Formulary, etc. By HENRY BEASLEY. Fourth American. From the Fifth London Edition. Philadelphia: Lindsay & Blakiston. 1863.

For sale by E. P. Gray, No. 90 Fourth street, St. Louis.

THE PREPARATION AND MOUNTING OF MICROSCOPIC OBJECTS. By THOMAS DAVIES. New York: William Wood & Co., No. 61 Walker street.

This is a very excellent little work of 140 pages. It contains "all the improved modes of mounting, together with the results of the author's experience, and that of many of his friends, in every department of microscopic manipulation."

For sale by Peter Smith, No. 184 Fourth street, between Morgan street and Franklin avenue, St. Louis.

THE ARMY SURGEON'S MANUAL. For the use of Medical Officers, Cadets, Chaplains and Hospital Stewards. By Wm. GRACE. New York: Balliere Bros., 520 Broadway. 1865.

THE PHARMACEUTISTS' AND DRUGGISTS' PRACTICAL RECEIPT BOOK. With a glossary of medical terms. By THOMAS BRANSTON. Philadelphia: Lindsay & Blakiston. 1865.



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EDITORIAL DEPARTMENT.

Editorial Department.

BIBLIOGRAPHICAL NOTICES.

The following works have been received. We regret that we have not room in the present number to give them their appropriate notice, which will be done in the next issue of the Journal:

THE RENEWAL OF LIFE.—Lectures: Chiefly Clinical. By THOMAS KING CHAMBERS, M. D., Physician to H. R. H. the Prince of Wales; Physician to St. Mary's and the Lock Hospitals. From the Third London Edition. Philadelphia: Lindsay & Blakiston. 1865. For sale by Jas. M. Crawford, No. 54 Fourth street.

MILITARY, MEDICAL AND SURGICAL ESSAYS. Prepared for the United States Sanitary Commission. Edited by Wm. A. HAM-

MON
phia



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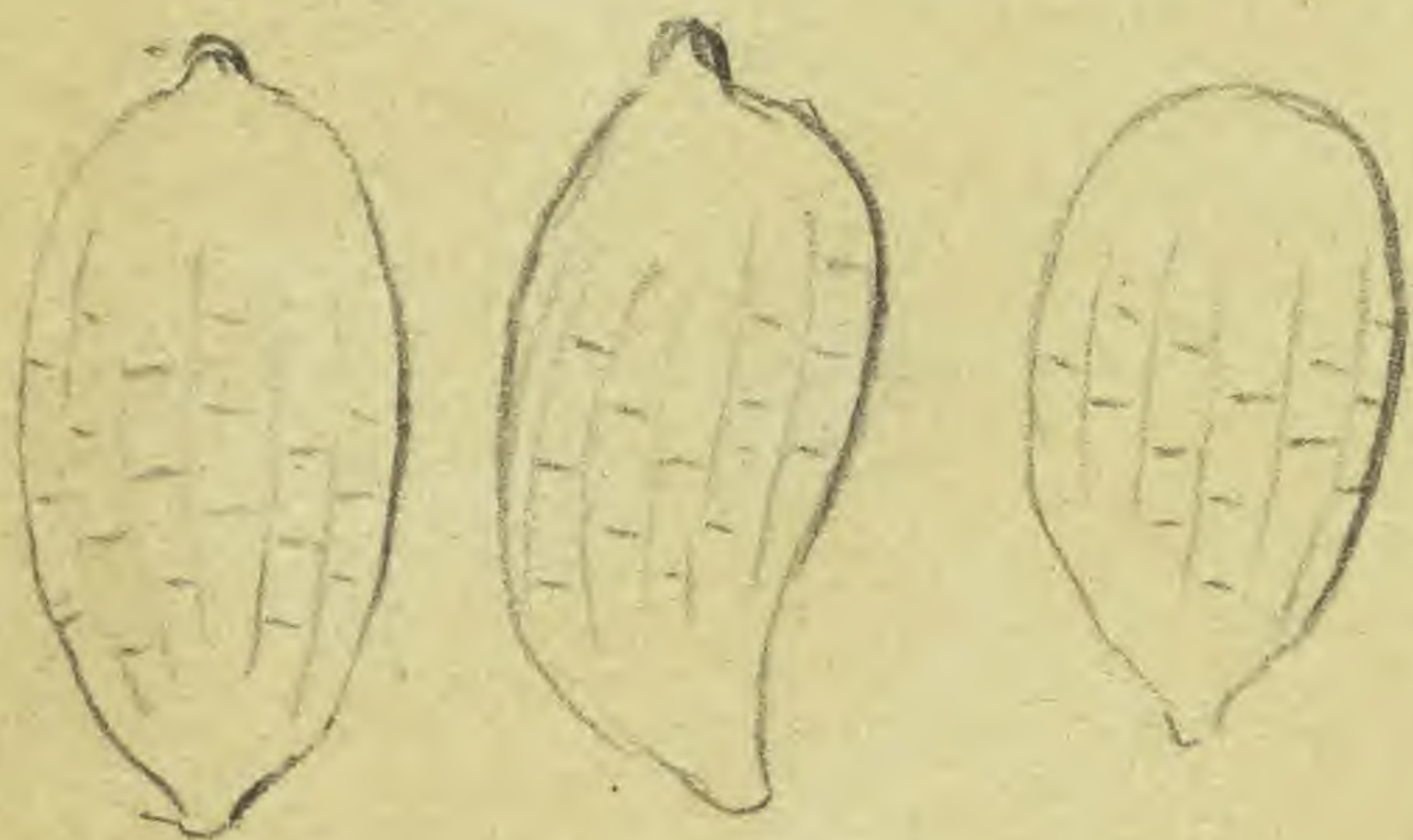
J. scirpoides

Febr 23 1866

mouth of Tulequan, Sonora Co. Pa

T C Porter Aug 22 1861

= Hb Smith



reticulation light, large
area with a few longitudinal
faint lines, otherwise
smooth, no cross striulation



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D. serpyoides

Febr 23 1861

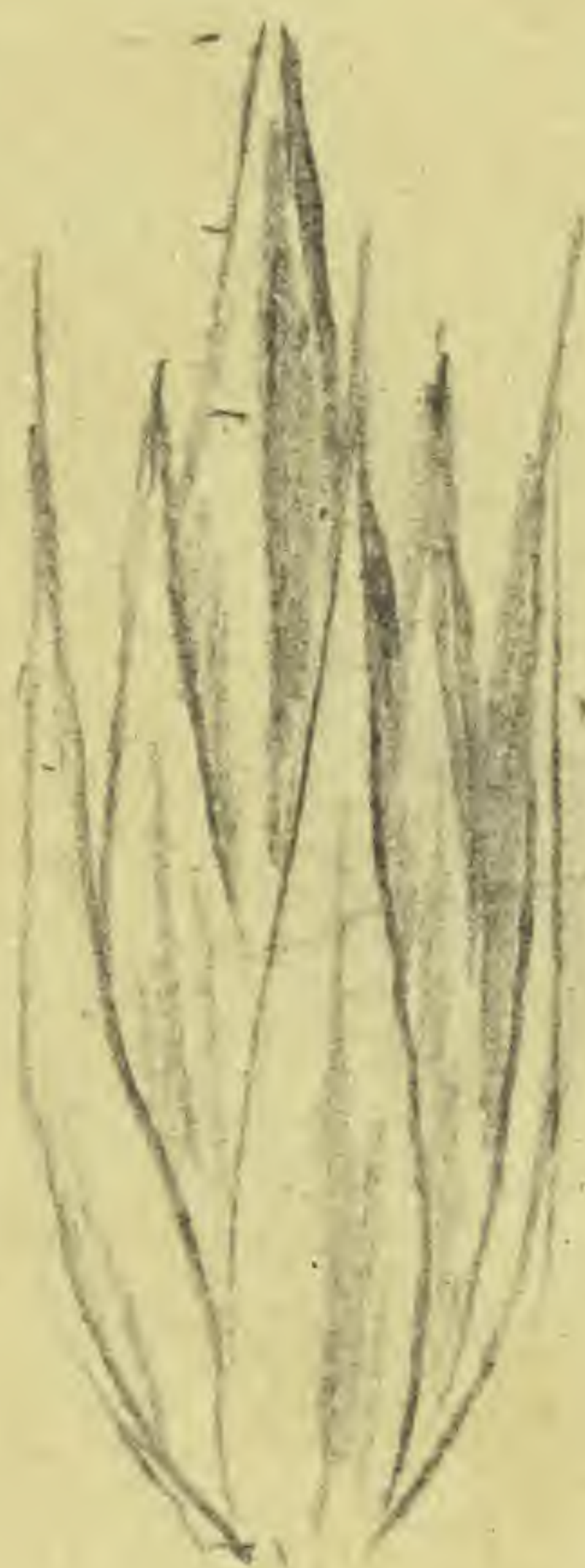
Timinuan

Delaw. Co Pa

C E Smith Aug 25 1865



no cross striulation



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Junonia scorpioides Lam Encyc. 3. 267 May 9 1866

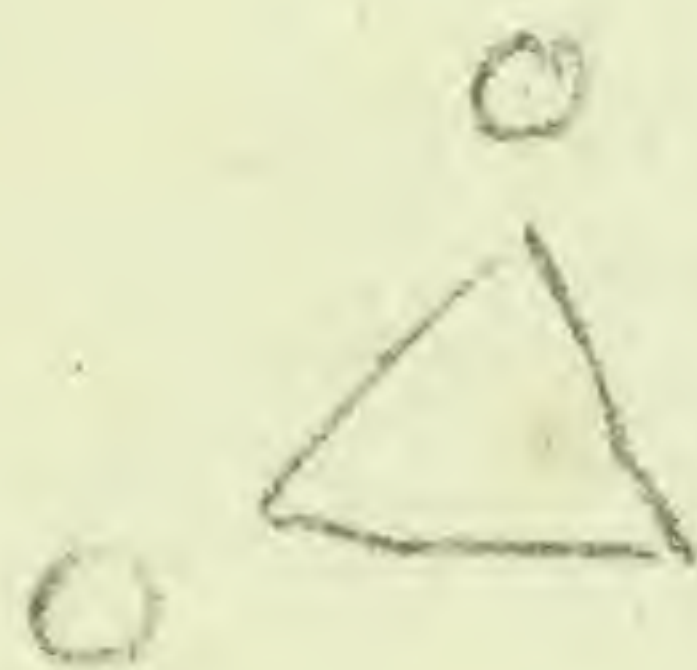
Carolina, Fraser, in Herb. Lamarck, name Roemer
vol 3 was published 1789

Joh. Roemer mis. 1866



ovary

(style broken off)



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J. corioides

March 4

1886

capitulis magnis

Philad. Hb. Smith



shape somewhat
distinct.

6-8 ribs visible



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J. scorpioides ~~*macrostemon*~~
capula externa longior
stylus nullus
capsula pyramide acuminata
exserta
Semina (majora) ovata

114

TRANS. OF THE ACAD. OF SCIENCE.

Topaz in Utah. By HENRY ENGELMANN.

During my explorations in Utah as Geologist of the Expedition under Capt. J. H. Simpson, Top. Eng'rs. U. S. A., in 1858 and 1859, I observed some remarkably beautiful crystals of Topaz among some detritus of trachytic porphyry. They were perfectly colorless, transparent, sharply developed, and of great lustre. They were all short columnar. The largest of them measured scarcely one third of an inch in the direction of the basal cleavage, which was highly perfect. I observed ten modifications: all crystals exhibited (according to Prof. Rose's designation)

$\infty c : b : a$,	$\infty c : b : 2a$,	$c : \infty b : : \infty a$	1
4 $c : b : \infty a$,	2 $c : b : a$;		
most of them also		2 $c : b : \infty a$,	$c : b : a$;
a few only		2 $c : \infty b : a$,	and 4 (?) $c : b : a$.

As in none of the crystals were both ends developed, I could not ascertain whether they were hemihedral, as is most common with topaz. The hardness of the mineral is = 8. It is infusible before the blowpipe; and when strongly heated is coated with small blisters, but does not show any change of color. It exhibits the reactions of fluorine, alumina, and silica. No tests were made for other elements, nor were the



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SHUMARD—NEW PALÆOZOIC FOSSILS. 113

ELÆACRINUS KIRKWOODENSIS, n. sp.

Body very small, subglobose, a little longer than wide, flattened above and below. Basal pieces very gently concave, with their edges on a level with the plane of the under side. Radial pieces (fork pieces) reaching to the base and occupying more than four fifths the entire length of the body, narrow below and widest in the middle, sides gently arched. Interradial pieces subdeltoid, very prominent towards the apex, much longer than wide, obtusely angulated below, acutely angulated above, and notched on either side a short distance below the summit. Pseudo-ambulacral areas extending from base to summit, narrow, deeply impressed; sides nearly parallel; pore pieces amounting to about fifty in each field. A longitudinal fissure or slit extends from the central summit opening downwards, separating the pore pieces of one side from their fellows of the opposite for the distance of about one fifth the length of the field, thence their inner edges are united in the median line to the base. Pseudo-ambulacral spaces lanceolate, sloping gently from their edges to the sutures. Ovarial apertures eight, very minute, situated at the notches of the interradial plates. Anal opening large, circular or very slightly-



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X. *macrostemon brachystylus*
sepala ext. longiora
stylus nullus s. brevissimus
capsula ^{pyramidalis} *acuminata exserta*
semina parva lanceolata

150

*stamen subinde
plura*

CORRESPONDENCE.

and the fact of its remaining upon the Supply Table being a tacit invitation to its use. tartar emetic is also struck from the Supply Table of the Army.

No doubt can exist that more harm has resulted from the misuse of both these agents, in the treatment of disease, than benefit from their proper administration.

W. A. HAMMOND, *Surgeon General.*

Were I so disposed, it would not be my privilege, as the subordinate of the Surgeon General, to speak in terms either laudatory or condemnatory of this much-criticised circular. I only send it to you because it has been the subject of much comment through the columns of the different medical journals of the country, and because all of your readers, especially the non-military portion thereof, may not have seen it. I may with no impropriety remark, that the melancholy results of the unrestricted administration of *calomel*, as complained of by the Surgeon General, are familiar to every army surgeon, or, at least, to such surgeons as were in the service any considerable length of time previous to the appearance of this order. It is to the transfer of methods of treatment, adapted to home and the fire-side, to the field and the camp, that we are indebted for the undeniably sad results of the employment of an agent vastly more potent for the accomplishment of good than ill, when given under



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merit, with any of your trans-Mississippi cotemporaries. Why may not this talent be fostered and developed? The West has its diseases peculiar to itself, and its *savans* to elucidate them. Then why go to the East for light. Let us rather seek illumination from our own brilliant luminaries at home.

Only energy and concert of action, among the physicians of Missouri, are requisite to make "our journal" second to none in the Union. The materials for such a journal are here, the ability to glean those materials and make them valuable is here, and the numbers are here to sustain such a journal by their patronage. It will be cheering to the Missouri physician to know that the "old journal" is alive again, that its resurrection is a fact accomplished, that henceforth the ravages of war are powerless to stay the development of Missouri's medical resources, that the voices of her votaries of science are to be heard above the noise and din of battle, the shock and crash of arms.

To accomplish



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10.6

Ischnanthus minor ?
I. scirpoides brachystylis ?

stam longest styl subnullus
 squel intern breviora

devote the strength of a Hercules towards advancing the cause of medical science in Missouri, and the JOURNAL will live even through these trying times, so fatal to the progress of science and the arts of peace.

Surgeon General Hammond's Anti-Calomel Order.

The following is the order of Surgeon General Hammond striking calomel and tartar emetic from the U. S. A. Supply Table:

(CIRCULAR NO. 6.)

SURGEON GENERAL'S OFFICE,
 WASHINGTON, D. C., May 4, 1863. }

1. From the Reports of Medical Inspectors and the Sanitary Reports to this office, it appears that the administration of calomel has so frequently been pushed to excess by military surgeons as to call for prompt steps by this office to correct this abuse; an abuse the melancholy effects of which, as officially reported, have exhibited themselves not only in innumerable cases of profuse salivation, but in the not infrequent occurrence of mercurial gangrene.

It seeming impossible in any other manner to properly restrict the use of this powerful agent, it is directed that it be struck from the Supply Table, and that no further requisitions for this medicine be approved by Medical Directors. This is done with the more confidence as modern pathology has proved the impropriety of the use of mercury in very many of those diseases in which it was formerly unfliningly administered.

II. The records of this office having conclusively proved that diseases prevalent in the Army may be treated as efficiently without tartar emetic as therewith,



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error, on first entering the service, so fatal to the welfare of the men entrusted to their care, and to their own reputations.

As a general rule, we think no one but a roughest and a book worm, or a *very old foggy*, would treat a soldier on the march, precisely in the same manner as he would if he were sick at home, surrounded by the attentions and comforts of family and friends—those valuable adjuncts to the physician, which are to be found only at home or within the precincts of a well conducted post, or general hospital. What rational mind but would discard or set aside for a more convenient season, his calomel, antimony and ipecac, or his veratrum viride, digitalis and aconite, and substitute the alcoholic stimulants and diuretics, in a case of acute pneumonitis for example, occurring on the march, when no accommodations are obtainable for the patient but such as an imperfectly closed ambulance affords? Who would cup or blister such a case while the night air had free access to the patient and the rain beat in upon him?

Who would not rather give something else than "Rush's ten and ten" to the man whose knapsack is his pillow and whose

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Juncus echinatus

	Michx.	Gray	Engelm.
Florida	Buckley	Chapm.	
Santa Canal Isl.		Ravens	(Ravens)
Galveston		L. J. H. -	L. J. H. -
S. Carolina	Bachman		(Bachman)
North Carolina	Curtis		Curtis
Ohio Ind. - H. B. W. -			(H. B. W. -)
Louisiana		Hale	(Hale)
Maryland	W. H. T. -		
Cuba			
Z. -			



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Symplocarpha ~~pectinatus~~
~~echinatus~~

Jan 1865

~~monocera~~ utrinque acutatis
Semi Canaliculatus reticulatus; areis
Covisum longitudinale striatulus;

replicatus minoribus
replicatus exterioribus longioribus
3 nervis

capsula aequilonga 2. vix exsert
anther oblong. linearis, filamentis
nullis brevioribus



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